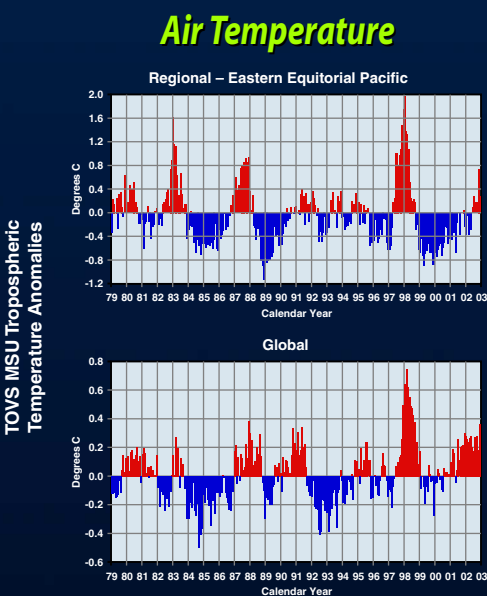


Pacific Pendulum Swings With Global Reach!

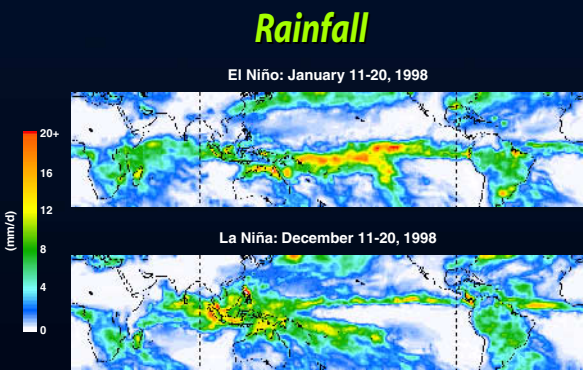
The El Niño of 1997–98 and the long La Niña of 1998–2001 forced Earth's environmental systems to totter.

EOSDIS data can be used to study El Niño and La Niña variations and their impacts on Earth's systems.



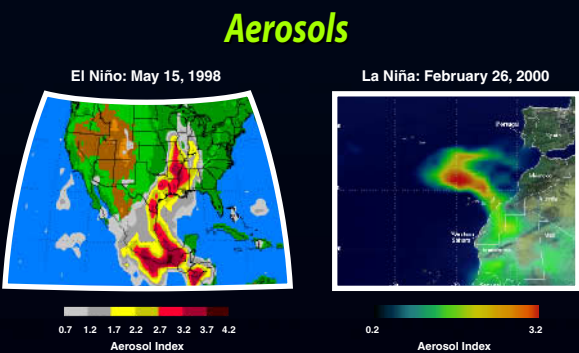
Data show temperatures higher than normal during El Niño and lower than normal during La Niña, even in the global chart.

Images courtesy of Global Hydrology and Climate Center



TRMM monthly rainfall data show areas of intense rainfall that moved from east to west.

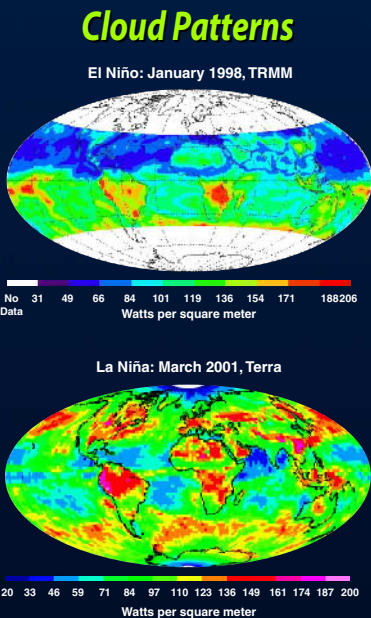
Images courtesy of NASA GSFC TRMM Project



TOMS aerosol data indicate smoke from drought-facilitated fires and dust from drought-impacted areas of Africa (right).

Images courtesy of NASA GSFC Scientific Visualization Studio

Replacement of warm water by cold water causes air temperature swings and humidity changes, affecting cloud patterns and winds.

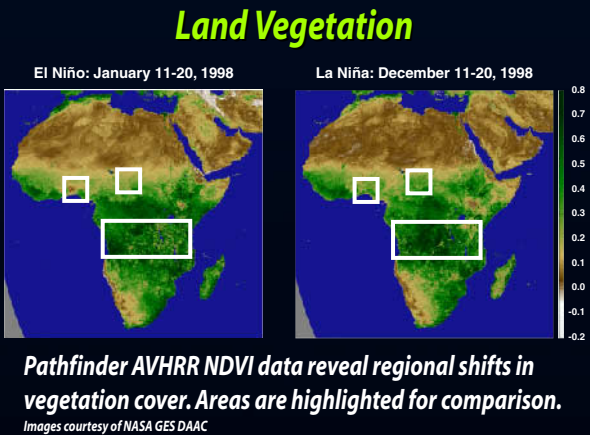


CERES monthly total-sky shortwave flux data display different patterns of high reflectivity (in pink and red) indicating clouds.

Images courtesy of NASA LaRC DAAC

Shifts in rainfall affect plant growth and areas of drought.

Drought contributes to dust and smoke aerosols in the atmosphere.



DAC Alliance



National Aeronautics and Space Administration